

Variable	1	ppm	Assumed Average Pallet Concentration
	0.0018	(mg/l)/ppm	Constant
Result	0.0018	mg/l	Concentration in mg/l
	1480.3	l/pallet	Volume of 15 cases (31in x 47in x 62in)
Variable	10934	pallets	Number of pallets sterilized per year.
Result	29,134	mg of EO	Residual EO released from product per year

Convert to Gallons			
	3785.4	ml/gal	Constant
	0.001	g/mg	Constant
	0.8413	g/ml	Liquid density of EO at 40C
	7.36	lb/gal	Liquid density of EO
Result	0.009	Gal	Residual EO released from product per year
	0.07	Lbs	Residual EO released from product per year
	1.17	oz	Residual EO released from product per year

From Joel Koch, sterilization engineer 1-19-11